

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/14250

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B65D41/34

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/016161 A (HABERSAAT PATRICK ; BOSL UDO (DE); METAL BOX PLC (GB); CROWN CORK &) 27 February 2003 (2003-02-27) abstract; figure 10 page 13, paragraph 2	1, 7, 10, 11
X A	US 2001/002661 A1 (REIDENBACH BRYAN L) 7 June 2001 (2001-06-07) the whole document	3, 4, 7, 10, 11  21-25, 37-41, 44-48, 50, 51
X	US 4 801 030 A (BARRIAC JACQUES J) 31 January 1989 (1989-01-31) the whole document	1-3, 5-7, 11
	----- -/- -----	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

11 October 2004

Date of mailing of the international search report

18. 11. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Gino, C

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14250

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 02/14170 A (OEZTUERK GUENAY) 21 February 2002 (2002-02-21)</p> <p>the whole document -----</p>	<p>21-25, 37-41, 44-48, 50,51</p>
A	<p>US 5 695 083 A (OBADIA JACQUES) 9 December 1997 (1997-12-09)</p> <p>abstract; figures -----</p>	<p>21-25, 37-41, 44-48, 50,51</p>
A	<p>EP 0 541 466 A (ASTRA PLASTIQUE) 12 May 1993 (1993-05-12)</p> <p>abstract; figures -----</p>	<p>21-25, 37-41, 44-48, 50,51</p>

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/14250

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
1-11 21-27 37-51
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Closure cap with opening-indicator means comprising fin means having an appendage means either flexible or extending transversaly in relation with said fin means.

---

2. claims: 21-27,37-51

Closure cap with opening-indicator means comprising fin means having three portions interacting with three collar means extending radially from the neck of a container.

---

3. claims: 12-20,28-36,52-68

Closure cap with threaded means provided with double starts staggered by an angle of  $180^{\circ}$  and a pitch of 4.5 mm.

---

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14250

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03016161	A	27-02-2003	BR 0211822 A CA 2455289 A1 WO 03016161 A1 EP 1417135 A1	31-08-2004 27-02-2003 27-02-2003 12-05-2004
US 2001002661	A1	07-06-2001	NONE	
US 4801030	A	31-01-1989	NONE	
WO 0214170	A	21-02-2002	WO 0214170 A1 AU 7468700 A	21-02-2002 25-02-2002
US 5695083	A	09-12-1997	FR 2676715 A1 AT 100775 T AU 672173 B2 AU 1883392 A CA 2109612 A1 DE 69200043 D1 DE 69200043 T2 DK 515260 T3 EP 0515260 A1 ES 2048607 T3 WO 9220589 A1 KR 9706410 Y1 NO 934184 A ZA 9203704 A	27-11-1992 15-02-1994 26-09-1996 30-12-1992 26-11-1992 10-03-1994 05-05-1994 21-03-1994 25-11-1992 16-03-1994 26-11-1992 24-06-1997 19-11-1993 30-12-1992
EP 0541466	A	12-05-1993	FR 2683509 A1 AT 128433 T CA 2082282 A1 DE 69205117 D1 DE 69205117 T2 EP 0541466 A1 JP 6183450 A OA 9621 A	14-05-1993 15-10-1995 09-05-1993 02-11-1995 29-02-1996 12-05-1993 05-07-1994 30-04-1993